تمام! إليك نسخة من أسئلة MCQ لمراجعة ملف **"Biological Bases of Behavior" كاملة بالإنجليزي**. (بدون ظهورها تحت كل سؤال)، والإجابات كلها مجمعة في النهاية فقط

🧠 Multiple Choice Questions – Biological Bases of Behavior

Nervous System & Neurons

1. What are neurons responsible for?
   - A) Digesting food
   - B) Carrying messages in the nervous system
   - C) Producing hormones
   - D) Pumping blood
2. What structure contains the hereditary material in a neuron?
   - A) Dendrite
   - B) Axon
   - C) Nucleus
   - D) Myelin
3. What chemical allows communication between neurons?
   - A) Insulin
   - B) Neurotransmitter
   - C) Enzyme
   - D) Hormone
4. After neurotransmitters complete their function, what happens?
   - A) They disappear
   - B) They are turned into fat
   - C) They are deactivated by enzymes or reabsorbed
   - D) They become hormones

Neurotransmitters

5. Which neurotransmitter is involved in muscle movement, learning, and memory?
   - A) Serotonin
   - B) GABA
   - C) Acetylcholine (ACh)
   - D) Dopamine
6. Which neurotransmitter is associated with pleasure and reward?
   - A) Serotonin
   - B) Glutamate
   - C) Dopamine
   - D) GABA
7. Which neurotransmitter is linked to depression and OCD when underactive?
   - A) Serotonin
   - B) Dopamine

    - C) GABA
    - D) Acetylcholine
8. What is the main inhibitory neurotransmitter in the brain?
    - A) Glutamate
    - B) GABA
    - C) Dopamine
    - D) Norepinephrine
9. Which neurotransmitter is involved in memory and learning and can cause seizures if overactive?
    - A) Endorphins
    - B) Glutamate
    - C) Serotonin
    - D) Norepinephrine
10. Which neurotransmitter is related to pain suppression and pleasure?

- A) Cortisol
- B) Endorphins
- C) Oxytocin
- D) Vasopressin

Nervous System Divisions

11. What are the two main parts of the nervous system?

- A) Brain and heart
- B) Central and peripheral nervous systems
- C) Spinal cord and muscles
- D) Autonomic and somatic systems

12. What does the autonomic nervous system control?

- A) Voluntary muscle movements
- B) Skeletal muscles
- C) Internal organs and involuntary functions
- D) Reflexes

13. Which branch increases heart rate and blood pressure?

- A) Parasympathetic
- B) Sensory
- C) Somatic
- D) Sympathetic

14. What effect does the parasympathetic system have?

- A) Raises blood sugar

- B) Increases attention
- C) Decreases heart rate and promotes digestion
- D) Inhibits hormones

Brain Functions

15. Which part of the brain handles executive functions?

- A) Brain stem
- B) Cerebellum
- C) Gray matter
- D) Thalamus

16. The thalamus is mainly responsible for:

- A) Memory storage
- B) Hormone release
- C) Sensory relay and sleep-wake cycle
- D) Emotion and motivation

17. Which structure controls emotional memory and automatic behaviors?

- A) Basal ganglia
- B) Cerebellum
- C) Hypothalamus
- D) Brain stem

18. The hypothalamus is involved in all EXCEPT:

- A) Circadian rhythm
- B) Endocrine regulation
- C) Visual processing
- D) Autonomic nervous system control

19. Which part of the brain controls coordination and balance?

- A) Cerebrum
- B) Thalamus
- C) Cerebellum
- D) Pituitary gland

Endocrine System

20. How are hormones different from neurotransmitters?

- A) Hormones are faster
- B) Hormones act only in the brain
- C) Hormones act slower and last longer
- D) Hormones are electric signals

21. Which gland is known as the "master gland" of the endocrine system?

- A) Thyroid
- B) Pituitary
- C) Adrenal
- D) Pineal

22. What hormone helps mediate stress response and increase carbohydrate metabolism?

- A) Oxytocin
- B) Vasopressin
- C) Cortisol
- D) Testosterone

23. Which hormone increases metabolic rate and affects neural development?

- A) Prolactin
- B) Estradiol
- C) Thyroxin
- D) Epinephrine

24. What hormone promotes social bonding and trust?

- A) Testosterone
- B) Oxytocin
- C) Cortisol
- D) Prolactin

25. What hormone increases water reabsorption and supports learning and memory?

- A) Vasopressin
- B) Cortisol
- C) Epinephrine
- D) Prolactin

✓ Answer Key

1. B
2. C
3. B
4. C
5. C
6. C
7. A
8. B
9. B
10. B
11. B
12. C
13. D
14. C
15. C
16. C
17. A
18. C
19. C
20. C
21. B
22. C
23. C
24. B
25. A

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